


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: September 26, 2003  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	Unassigned
		Filing Date	09/26/2003
		First Named Inventor	Jonathan A. ELLMAN et al.
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
Sheet	1	of	4
		Attorney Docket Number	045413-0113

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
	A1	5,698,401		FESIK et al.	12/16/1997	
	A2	5,658,727		BARBAS et al.	08/19/1997	
	A3	5,543,507		COOK et al.	08/06/1996	
	A4	5,362,859		ZALE	11/08/1994	
	A5	5,512,435		RENSCHLER et al.	04/30/1996	
	A6	5,683,867		BIESECKER et al.	11/04/1997	
	A7	4,727,022		SKOLD et al.	02/23/1988	
	A8	5,422,281		HARRIS et al.	06/06/1995	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A9	WO	98/11436			03/19/1998		
	A10	WO	98/48264			10/29/1998		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A11	Shuker et al., Science 274:-1531-1534 (1996).	
	A12	Singh et al., J. Am. Chem. Soc. 118:1669-1676 (1996)	
	A13	Weber et al., Angew. Chem. Int. Ed. Engl. 34:2280-2282 (1995)	
	A14	Huc et al., Proc. Natl. Acad. Sci. USA: 94:2106-2110 (1997)	
	A15	Holland, Sci. Amer. USA 66-72 (1997)	
	A16	Rowan, et al., Angew. Chem. Int. Ed. Engl. 35:2143-2145	
	A17	Rowan, et al., J. Am. Chem. Soc. 119:2578-2579 (1997)	
	A18	Hajduk, et al., Sci. 278:497-498 (1997)	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.


Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: September 26, 2003  (use as many sheets as necessary)		Application Number	Unassigned
		Filing Date	09/26/2003
		First Named Inventor	Jonathan A. ELLMAN et al.
		Group Art Unit	Unassigned
		Examiner Name	Unassigned
Sheet 2 of 4	Attorney Docket Number	045413-0113	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A19	<del>Shuker, et al., Sci. 274:1531-1534</del>	
	A20	Rose, J. Amer. Chem. Soc. 116:30-33 (1994)	
	A21	Shao et al., Amer. Chem. Soc. 117:3893-3899 (1995)	
	A22	<del>Tuchscherer, Eng., 34:8449-8422</del>	
	A23	Jencks, Proc. Natl. Acad. Sci. 78:4046-4050 (1981)	
	A24	Olejniczak et al., J. of Am. Chem. Soc. 119:5828-5832 (1997)	
	A25	Nakamura et al., Biochemistry 24:1364-1376 (1985)	
	A26	<del>Nazarpak-Kandlousy et al., J. Combinatorial Chem. (1998)</del>	
	A27	Hajduk, et al., J. Am. Chem. Soc. 119:5818-5827 (1997)	
	A28	Dolle et al., J. of Combinatorial Chem. 1:229-382 (1999)	

Examiner Signature		Date Considered	1/8/05
--------------------	---	-----------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: September 26, 2003  (use as many sheets as necessary)			Application Number	Unassigned	
			Filing Date	09/26/2003	
			First Named Inventor	Jonathan A. ELLMAN et al.	
			Group Art Unit	Unassigned	
			Examiner Name	Unassigned	
Sheet	3	of	4	Attorney Docket Number	045413-0113

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
TB	A29	Puius et al. Proc. Natl. Acad. Sci. 94:13420-13425 (1997)	
	A30	Hajduk et al., J. Am. Chem. Soc. 119:5818-5827 (1997)	
	A31	Eliseev Drug Discovery and Development 1:106-115 (1998)	
	A32	Jindal, et al., Spectrum Drug Discovery and Design, 20:1-15 (1998)	
	A33	Baldwin, et al., J. Am. Chem. Soc., 117:5588-5589 (1995)	
	A34	Gilbertson et al., Tetrahedron Letters 37:6475-6478 (1996)	
	A35	Pfistermueller, et al., FEBS Letters 39:14-20 (1996)	
	A36	Godfrey, et al., J. Exp. Med. 80:757-762 (1994)	
	A37	Boger et al., Solution-Phase Combinatorial Synthesis via the Olefin Metathesis Reaction, Bioorg. Med. Chem. Lett., Vol. 7, No. 4, pp. 463-468 (1997)	
		A38	Gordon et al., Applications of Combinatorial Techniques to Drug Discovery, 2. Combinatorial Organic Synthesis, Library Screening Strategies and Future Directions, J. Med. Chem., Vol. 37, No., 10, pp. 1885-1401 (1994)

Examiner Signature		Date Considered	1/2/05
--------------------	--	-----------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: September 26, 2003  (use as many sheets as necessary)			Applicant Number	Unassigned	
			Filing Date	09/26/2003	
			First Named Inventor	Jonathan A. ELLMAN et al.	
			Group Art Unit	Unassigned	
			Examiner Name	Unassigned	
Sheet	4	of	4	Attorney Docket Number	045413-0113

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
J5	A39	Sigal et al. Polyacrylamides Bearing Pendant a-Sialoside Groups Strongly Inhibit Agglutination of Erythrocytes by Influenza Virus .... J. Am. Chem. Soc. Vol. 118, No. 16, pp. 3789-3400. (1996)	
	A40	Zhao et al. Coumarin-Based Inhibitors of HIV Integrase, J. Med. Chem., Vol. 40, No. 2, pp. 242-249, (1997)	
	A41	Hadjuk et al., One-Dimensional Relation and Diffusion Edited NMR Methods for Screening Compounds that Bind to Macromolecules, J. Am. Chem. Soc., Vol. 119, No. 50, pp. 12257-12261, (1997).	
	A42	Keyes et al., Correlation of Anti-HIV Potency with Lipophilicity in a Series of Cosalane Analogs ...J. Med. Chem., Vol. 39, No. 2, pp. 508-514. (1996)	
q	A43	Zhao et al., Arylamide Inhibitors of HIV-1 Integrase, J. Med. Chem. 40, pp. 1186-1194 (1997)	

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.